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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

HIROYUKI ET AL : ATTN: APPLICATION DIVISION

SERIAL NO: 09/926,257 :

FILED: OCTOBER 2, 2001 :

FOR: A SINGLE CARRIER/DS-CDMA PACKET TRANSMISSION METHOD, AN UPLINK PACKET TRANSMISSION METHOD, A MULTI-CARRIER/DS-CDMA MOBILE COMMUNICATION SYSTEM, AND A STRUCTURE OF A DOWNLINK CHANNEL, A MULTI-CARRIER/DS-CDMA MOBILE COMMUNICATION SYSTEM :

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

7. (Amended) A mobile-radio packet transmission method using the packet transmission method as claimed in claim 3, wherein a base station measures the channel occupancy rate of the data packet, and determines the reservation demand packet

transmission admission probability and a number indicative of how many spreading codes are available for the reservation demand packets.

35. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in Claim 32, wherein the common-control channel includes broadcast information commonly directed to each user.

36. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in Claim 32, wherein the common-control channel includes a pilot symbol used for demodulating a received signal by each user.

37. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in Claim 32, wherein the common-control channel is assigned to one or more code channels in part or all of the subcarriers.

38. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in Claim 32, wherein the common-control channel includes different kinds of information for different subcarriers.

39. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in Claim 32, wherein information includes in the common-control channel assigned to each subcarrier is time-multiplexed to part of each time frame.

REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

The present preliminary amendment is submitted to correct for the improper multiple dependencies in the pending claims. The changes made to the claims are deemed to be self-

evident from the originally filed disclosure, and thus are not deemed to raise any issues of new matter.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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Marked-Up Copy
Serial No:

Amendment Filed on:
1-4-2002

IN THE CLAIMS

--7. (Amended) A mobile-radio packet transmission method using the packet transmission method as claimed in claim 3, [4, 5, or 6,] wherein a base station measures the channel occupancy rate of the data packet, and determines the reservation demand packet transmission admission probability and a number indicative of how many spreading codes are available for the reservation demand packets.

35. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in [any one of claims] Claim 32 [through 34], wherein the common-control channel includes broadcast information commonly directed to each user.

36. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in [any one of claims] Claim 32 [through 35], wherein the common-control channel includes a pilot symbol used for demodulating a received signal by each user.

37. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in [any one of claims] Claim 32 [through 36], wherein the common-control channel is assigned to one or more code channels in part or all of the subcarriers.

38. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in [any one of claims] Claim 32 [through 37],

wherein the common-control channel includes different kinds of information for different subcarriers.

39. (Amended) The downlink channel structure in the multi-carrier/DS-CDMA mobile communication system as claimed in [any one of claims] Claim 32 [through 38], wherein information includes in the common-control channel assigned to each subcarrier is time-multiplexed to part of each time frame.--